Cement & Concrete Composites **15** (1993) 254–255

Contents of Volume 15

Numbers 1-2

Special Issue
ALKALI–AGGREGATE REACTIVITY

1 **Guest Editorial**
State of the art field and laboratory investigations of alkali–aggregate reactivity

3 Some applications of the gel fluorescence test for alkali–aggregate reaction in concrete
K. NATESAIYER (USA)

7 Alkali-reactive aggregates in Nova Scotia: CANMET studies of their distribution and control of the reactivity
S. G. MACNEILL, W. S. LANGLEY & J. A. SOLES (Canada)

13 Alkali–aggregate reactivity in Canada
C. A. ROGERS (Canada)

21 Chemical treatments and additives for controlling alkali reactivity
P. P. HUDEC & N. K. BANAHENE (Canada)

27 Canadian experience with testing for alkali–aggregate reactivity in concrete
M. A. BÉRUBÉ & B. FOURNIER (Canada)

49 Recent applications of a modified gel pat test to determine the potential alkali–silica reactivity of carbonate aggregates
B. FOURNIER & M. A. BÉRUBÉ (Canada)

75 Investigations of supplementary cementing materials for reducing alkali–aggregate reactions
H. CHEN, J. A. SOLES & V. M. MALHOTRA (Canada)

85 CANMET research on alkali–aggregate reactivity in New Brunswick
D. P. DEMERCHANT & J. A. SOLES (Canada)

101 Petrography of concrete cores from New Brunswick, relating to the durability problem
J. E. GILLOTT & J. A. SOLES (Canada)

115 Conference Report

117 Conference Announcement

118 News: Conferences and Symposia

Number 3

121 Tensile properties of braided FRP rods for concrete reinforcement
A. NANNI (USA), T. OKAMOTO, M. TANIGAKI & S. OSAKADA (Japan)

131 Effect of vertical prestressing on the punching failure
N. KRSTULOVIC-OPARA (USA) & M. D. KOTSOVOS (Greece)

143 Assessment of interfacial fracture toughness in concrete composites
O. BÜYÜKÖZTÜRK & K.-M. LEE (USA)

153 Mechanical properties of carbon-fiber-reinforced polymer-impregnated cement composites
S. B. PARK (South Korea) & B. I. LEE (USA)

Cement & Concrete Composites (**15**) (1993) — © 1994 Elsevier Science Limited, England. Printed in Great Britain

165 Introduction of new reinforcement for cementitious materials—Calcia/alumina (CA) fibers formed by the inviscid melt-spinning (IMS) process
K.-Y. YON, B. S. MITCHELL, S. A. DUNN & J. A. KOUTSKY (USA)

173 Impedance characterization of microcracking behaviour in fibre-reinforced cement composites
P. GU, P. XIE & J. J. BEAUDOIN (Canada)

181 News: Conferences and Symposia

Number 4

Special Issue
COMPOSITE CEMENTS

183 Editorial

185 Pozzolanic cements
F. MASSAZZA (Italy)

215 Chloride ingress in microsilica concrete
M. M. AZARI, P. S. MANGAT & S. C. TU (UK)

223 Efficiency of fly ash in concrete
K. GANESH BABU & G. SIVA NAGESWARA RAO (India)

231 Use of a high-calcium fly ash in blended type cement production
J. PAPAYIANNI (Greece)

237 Blended cements—applications and implications
E. W. MILLER (UK)

247 News: Conferences and Symposia

251 Index